IN THE CLAIMS

17. (currently amended) In a combination of a self-locking bolt fastening a lockable member ~~soft as magnesium or aluminum~~, ~~the improvements of~~ the self-locking bolt comprising:

a head having a locking function; and

a threaded part extending from the head and provided with an external thread of a pitch P, the external thread being such as to mate with an internal thread ~~of a member to be mated~~ of the lockable member;

~~wherein~~ the improvements for the locking function consisting of n locking projections ~~are formed~~ at equal angular intervals on a bearing surface of the head,

the locking projections ~~are~~ being separated from one another by planar portions of the bearing surface,

heights of the locking projections from the bearing surface ~~increase~~ increasing gradually in a direction opposite a fastening direction in which the head is rotated for the fastening to maximum heights,

~~there are~~ edges at the maximum heights,

the heights of the locking projections ~~decrease~~ decreasing steeply from the edges in the direction opposite the fastening direction,

the maximum heights of the edges ~~are~~ being equal to or less than P/n,

a total area of the planar portions ~~is~~ being larger than a total planar projected area of the locking projections, and

the self-locking bolt ~~has~~ having a small diameter not larger than 6 mm.

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18. (currently amended) In a combination of a self-locking bolt fastening a lockable member ~~soft as magnesium or aluminum~~, ~~the improvements of~~ the self-locking bolt comprising:

a head having a locking function; and

a threaded part extending from the head and provided with an external thread of a pitch P for engaging the lockable member ~~P, the external thread being a machine screw~~;

~~wherein~~ the improvements for the locking function consisting of n locking recesses ~~are formed~~ at equal angular intervals in a bearing surface of the head,

the locking recesses ~~are~~ being separated from one another by planar portions of the bearing surface,

depths of the locking recesses from the bearing surface ~~decrease~~ decreasing gradually in a direction opposite a fastening direction in which the head is rotated for the fastening to minimum depths,

~~there are~~ edges at ~~the~~ joints of end walls of the locking recesses at positions of maximum depths from the bearing surface,

when the bearing surface contacts and compresses [[a]] the4 lockable member ~~contacting the bearing surface~~, the edges function so that a portion of the lockable member is forced to bulge into at least one of the locking recesses in a small protrusion, ~~and~~

a total area of the planar portions ~~is~~ being larger than a total planar projected area of the locking projections, and

the self-locking bolt ~~has~~ having a small diameter not larger than 6 mm.

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23. (cancelled)

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